PATENT COOPERATION TREATY

NTERNATIONAL SEARCH	ING AUTHORITY					
To: RICHARD S. WESORICK TAROLLI, SUNDHEIM, COVELL & TUMMINO L.L.P. 526 SUPERIOR AVENUE SUITE 1111 CLEVELAND, OH 44114		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
		Date of mailing (day/month/year)	19 MAY 2005			
Applicant's or agent's file re	eference	FOR FURTHER	FOR FURTHER ACTION See paragraph 2 below			
CCF-6566PCT		<u> </u>				
International application No.	International filing date	e (day/month/year)	Priority date (day/month/year)			
PCT/US04/12882	27 April 2004 (27.04.2 cation (IPC) or both national classification	004)	29 April 2003 (29.04.2003)			
	•		•			
IPC(7): C12Q 1/68; C12P 19 Applicant	9/34; C07H 21/04 and US Cl.: 435/6,	91.1, 91.2; 536/23/1, 2	24.3			
THE CLEVELAND CLINIC	FOUNDATION					
1. This opinion contains in	dications relating to the following ite	ms:				
Box No. I	Box No. I Basis of the opinion					
Box No. II	Priority					
Box No. III	ox No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV	Lack of unity of invention					
Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI	Certain documents cited					
Box No. VII	Certain defects in the international application					
Box No. VIII	Certain observations on the international application					
2. FURTHER ACTIO	N					
International Prelimina Authority other than th	ry Examining Authority ("IPEA")	except that this does n IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an me International Bureau under Rule $66.1bis(b)$ ered.			
IPEA a written reply to		ndments, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.			
For further options, see	Form PCT/ISA/220.					
3. For further details, see	notes to Form PCT/ISA/220.					
Name and mailing address of	f the ISA/ US	Authorized office	T C			
Mail Stop PCT, Attn: ISA/US		Jehanne S. Sittor	Jamulet Dichn My			
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 5	•			
Facsimile No. (703) 305-323		Telephone No. 3				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/12882

	Box 140. 1 Dasis of this opinion						
	th regard to the language, this opinion has been established on the basis of the international application in the language in which it is filed, unless otherwise indicated under this item.						
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).						
	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the cinvention, this opinion has been established on the basis of:						
	a. type of material						
}	a sequence listing						
	table(s) related to the sequence listing						
	b. format of material						
	in written format						
	in computer readable form						
	c. time of filing/furnishing						
	contained in international application as filed.						
	filed together with the international application in computer readable form.						
	furnished subsequently to this Authority for the purposes of search.						
	3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
	4. Additional comments:						
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	E POT/(SA /227/DN D/L						

Form PCT/ISA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/12882

NO

Box No. V Reasoned statement under Rule 43 bis.1(a)(1) with regard to noverty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Stateme	ent				
	Novelty (N)	Claims	6-12, 17, 18, 21-30	_YES	
	, ,	Claims	1-5, 13-16, 19, 20	_NO	
	Inventive step (IS)	Claims	NONE	_YES	
		Claims	1-30	_NO	
	Industrial applicability (IA)	Claims	1-30	_YES	

2. Citations and explanations:

Claims 1-5, 13-16, 19, and 20 lack novelty under PCT Article 33(2) as being anticipated by Genbank Accession Number U21676.

Genbank Accession Number U21676 teaches the sequence of SEQ ID NO: 1. The complement of this sequence would hybridize to SEQ ID NO: 1 and SEQ ID NO: 2. This sequence is considered 'derived' from SEQ ID NO 1. This sequence comprises the sequences of each of SEQ ID NOS 6-9. This sequence comprises the sequences of the prgH, prgI, prgI, and prgK genes of Salmonella.

Claims NONE___

Claims 6-12, 17, 18, and 21-20 lack an inventive step under PCT Article 33(3) as being obvious over Genbank Accession Number U21676 in view of Daum et al.

Genbank Accession Number U21676 teaches the sequence of SEQ ID NO: 1. The complement of this sequence would hybridize to SEQ ID NO: 1 and SEQ ID NO: 2. This sequence is considered 'derived' from SEQ ID NO 1. This sequence comprises the sequences of each of SEQ ID NOS 6-9. This sequence comprises the sequences of the prgH, prgI, prgI, and prgK genes of Salmonella. Genbank Accession number does not teach primers for the prg gene of Salmonella, fluorescently labeled probes, a method of detecting Salmonella, or a kit comprising a primer and a probe for the prg gene of Salmonella. However Daum et al teaches a method of detecting Salmonella by using PCR primers and fluorescently labeled probes directed to the invA gene of Salmonella (see page 3050, col. 1) in a real time PCR assay (see page 3051, col. 1), for the purpose of detecting Salmonella. Therefore, it would have been obvious to one of ordinary skill in the art to construct primers and fluorescently labeled probes directed to the prg gene as set forth in Genbank Accession Number U21676 for the purpose of detecting Salmonella because Daum et al teach that primers and probes directed to genes from Salmonella can be used to detect Salmonella. It would have also been obvious to the ordinary artisan to package such primers and probes in a kit to make the method of detecting Salmonella as taught by Genbank Accession Number U21676 in view of Daum et al more convenient to perform.

